

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference BHAGNARI0001	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. PCT/IN2004/000243	International filing date (<i>day/month/year</i>) 11/08/2004	(Earliest) Priority Date (<i>day/month/year</i>) 13/08/2003
Applicant OIL AND NATURAL GAS CORPORATION LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The liquid seal according to the present invention consists of a U-tube (1,2) having one arm (1) connected to the pipe (8) collecting all the gas vented from across the plant and other arm (2) connected to a liquid holder (5). A pipe (6) provided at the top of the liquid holder (5) is connected to the gas pipe (9) leading to the flare while there is a pipe (4) at the bottom of the said liquid holder fitted with a non-return valve (10) connecting to the bottom of U-tube (1,2). There is provided a drain pipe (3) at the bottom of U-tube (1,2) to drain out the liquid if needed.

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International Application No

PCT/IN2004/000243

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B41/00 F23G7/08 F16K17/192

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B F23G F16K F17B B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 222 259 A (JR. HENRY H. WALL,) 7 December 1965 (1965-12-07) claim 1; figures 1-3	1-8
A	US 4 065 247 A (OKIGAMI ET AL) 27 December 1977 (1977-12-27) column 1, line 63, paragraph 16 - column 2, line 28, paragraph 21; claim 1; figure 1	1-8
A	US 2003/106694 A1 (WISEMAN THOMAS R) 12 June 2003 (2003-06-12) paragraph '0016! - paragraph '0021!; figure 1	1-8
A	FR 2 706 926 A (DTL SA) 30 December 1994 (1994-12-30) page 2, line 1 - page 4, line 13; figures 1-5	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

29 April 2005

Date of mailing of the international search report

13/05/2005

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Information on patent family members

International Application No

PCT/IN2004/000243

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3222259	A	07-12-1965	NONE	
US 4065247	A	27-12-1977	JP 52138539 U	20-10-1977
			JP 54039143 Y2	20-11-1979
			DE 2654369 A1	27-10-1977
			FR 2348441 A1	10-11-1977
			GB 1533731 A	29-11-1978
			IT 1066679 B	12-03-1985
			NL 7612654 A ,B,	18-10-1977
US 2003106694	A1	12-06-2003	CA 2372987 A1	11-06-2003
FR 2706926	A	30-12-1994	FR 2706926 A1	30-12-1994